

purple, blooming April to October. Growing in pine forest with *Pinus ponderosa*, *Ceanothus fendleri* and grasses. Pods readily dehiscent. Abundant in sunny areas.

The following were collected by S&S Seeds. Donated by M.B. Johnson, Boyce Thompson Southwestern Aboretum, Desert Legume Program, College Station P.O. Box 3607, Tucson, Arizona 85722-3607, United States. Received 09/26/1990.

**PI 577287. *Lupinus perennis* L.**

Wild. XDL-900333; W6 4882. Collected in United States. Herbs with digitately palmate leaves.

The following were collected by Walter J. Kaiser, USDA, ARS, Washington State University, Regional Plant Introduction Station, Pullman, Washington 99164-6402, United States; L.V. Kaiser, NW 420 Orion Drive, Pullman, Washington 99164, United States. Received 08/20/1993.

**PI 577288. *Lupinus* sp.**

Wild. W6 12550. Collected 08/12/1993 in Idaho, United States. Elevation 2432 m. Rocky soil near trailhead to Baker Lake in Sawtooth National Forest at the end of Baker Creek Road and Hwy 75. Yellow-flowered. Most seeds reddish color.

The following were collected by S. Luebbermann. Donated by M.B. Johnson, Boyce Thompson Southwestern Aboretum, Desert Legume Program, College Station P.O. Box 3607, Tucson, Arizona 85722-3607, United States. Received 09/26/1990.

**PI 577289. *Lupinus sparsiflorus* Benth.**

Wild. XDL-900240; W6 4879. Collected 04/22/1990 in Arizona, United States. West end of Aravaipa Canyon, Pinal County, Arizona. Locally common herbaceous spring wild flower. Plant height 5.5m. Leaves palmate with fuzzy leaflets. Flowers blue-purple in terminal racemes, occasionally white. Blooming February to May. Explosively dehiscent pods.

The following were collected by R.J. Anthony. Donated by M.B. Johnson, Boyce Thompson Southwestern Aboretum, Desert Legume Program, College Station P.O. Box 3607, Tucson, Arizona 85722-3607, United States. Received 09/26/1990.

**PI 577290. *Lupinus succulentus* Douglas ex K. Koch**

Wild. XDL-900007; W6 4884. Collected in United States. Herbaceous. Leaves palmately compound, thickened. Flowers blue-violet. Blooming March to April.

The following were collected by S&S Seeds. Donated by M.B. Johnson, Boyce Thompson Southwestern Aboretum, Desert Legume Program, College Station P.O. Box 3607, Tucson, Arizona 85722-3607, United States. Received 09/26/1990.

**PI 577291. *Lupinus texensis* Hook.**

Wild. XDL-900334; W6 4885. Collected in Texas, United States. Herb. Plant height up to 0.5m. Leaves digitate. Flowers blue in terminal racemes. Pods dehisce at maturity.

The following were donated by P. N. D. Seymour, University of Alberta, Devonian Botanic Gardens, Edmonton, Alberta, Canada. Received 02/11/1990.

**PI 577292. *Medicago ciliaris* (L.) All.**